

Notes 4/28 - Working with Percents - Pt. 1

- To turn a % into a decimal, Move the decimal point 2 spaces left ($\div 100$)

Ex: $\underline{35}\% \Rightarrow 0.35$

$\underline{7.8}\% \Rightarrow 0.078$

$\underline{106}\% \Rightarrow 1.06$

- To turn a decimal into a %, Move the decimal point 2 spaces right ($\times 100$)

Ex: $0.\underline{2} \Rightarrow 20\%$

$0.\underline{0054} \Rightarrow 0.54\%$

$1.\underline{38} \Rightarrow 138\%$

- Percents and Fractions

$$\frac{\text{part}}{\text{whole}} = \text{decimal} \times 100 = \%$$

Ex:



What % is shaded?

$$\frac{3}{8} = 0.\underline{375} = 37.5\%$$

Mental Tricks

10% = Move decimal point one unit left

50% = cut in half

25% = cut in quarters

$33\frac{1}{3}\%$ = cut in thirds